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## **IN THE ABSTRACT:**

Please amend the Abstract of the disclosure as follows.

A substrate in a parallelepiped plate form satisfies an interference condition when incident light has a wavelength ( $\lambda$ ) fallen under the following (d: thickness, n: refractive index, 0: incident angle, N: integer).

[Equation 7]

$$\frac{2nd \sqrt{1 - (\sin \theta / n)^2}}{\lambda} = N$$

At this time, the light in a transmission spectrum is intensified to cause a fringe peak to appear, whereas the light in a reflection spectrum is weakened to provide a fringe valley. At around the wavelength (frequency), as the incident angle is increased, the transmittance nears zero while reflectance increases nearing 1. Increasing the thickness of the substrate by placing a thin film thereon is similar to the increase in the substrate thickness in [Equation 7], whereby the wavelength satisfying the interference condition shifts toward the longer wavelength (lower frequency) Due to the three effects, at a great incident angle, a ratio of an optical (transmission or reflection) spectrum of a system having a substrate and thin film to an optical spectrum of a substrate only becomes a spectrum having a structure wherein maximum and minimum values are adjacent to each other. By analyzing this relative transmission spectrum or relative reflection spectrum, a complex dielectric constant of the thin film can be determined.

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## IN THE ABSTRACT: cont.

A method for measuring a dielectric constant of a thin film sample includes irradiating a sample with light at a first incident angle, whereby the light undergoes multiple internal reflections within the sample; measuring light that has transmitted through or reflected on the sample following said multiple internal reflections; and determining a complex dielectric constant of the sample based upon a spectrum of the transmitted or reflected light that has undergone said multiple internal reflections.